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Approved for use through 10/31/2002. OMB 0661-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

☐ Declaration Submitted with Initial Filing OR ☒ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number 555255012578

First Named Inventor Xin Jin

COMPLETE IF KNOWN

Application Number 10 / 668,763

Filing Date 23 September 2003

Group Art Unit

Examiner Name

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SYSTEM AND METHOD OF BATTERY CAPACITY ESTIMATION

(Title of the Invention)

the specification of which

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY) 09/23/2003

as United States Application Number or PCT International

Application Number 10/668,763 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

DECLARATION — Utility or Design Patent Application

Direct all correspondence to: ☐ Customer Number or Bar Code Label OR ☒ Correspondence address below

David B. Cochran, Esq.
Name

JONES DAY
Address North Point, 901 Lakeside Avenue

Cleveland City Ohio State ZIP 44114-1190

USA Country Telephone (216) 586-3939 Fax (216) 579-0212

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR : ☐ A petition has been filed for this unsigned inventor

Given Name **Xin** Family Name **Jin**
(first and middle [if any]) or Surname

Inventor's Signature  Date **Dec. 9, 03**

Residence: City **Nepean** State **Ontario** Country **CANADA** Canadian Citizenship

295 Phillip Street
Mailing Address

Waterloo City Ontario State ZIP **N2L 3W8** Country **CANADA**

NAME OF SECOND INVENTOR: ☐ A petition has been filed for this unsigned inventor

Given Name **Calin N.** Family Name **Bugnariu**
(first and middle [if any]) or Surname

Inventor's Signature  Date **Dec 18 2003**

Residence: City **Ottawa** State **Ontario** Country **CANADA** Canadian Citizenship



295 Phillip Street
Mailing Address

Waterloo City Ontario State ZIP **N2L 3W8** Country **CANADA**

☒ Additional inventors are being named on the 2 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

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DECLARATION**ADDITIONAL INVENTOR(S)**
Supplemental Sheet
Page 1 of 4

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name M. Khaledul		Family Name or Surname Islam	
Inventor's Signature 		Date Dec 9, 2003	
Residence: City Nepean	Ontario State	Canada Country	Canadian Citizenship
Mailing Address 295 Phillip Street			
Mailing Address			
City Waterloo	Ontario State	ZIP N2L 3W8	Country CANADA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Samir R.		Family Name or Surname Shah	
Inventor's Signature (see next page)		Date	
Residence: City Waterloo	Ontario State	Canada Country	Canadian Citizenship
Mailing Address 295 Phillip Street			
Mailing Address			
City Waterloo	Ontario State	ZIP N2L 3W8	Country Canada
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Stephen L.		Family Name or Surname Pomeroy	
Inventor's Signature 		Date Dec 9, 2003	
Residence: City Nepean	Ontario State	Canada Country	Canadian Citizenship
Mailing Address 295 Phillip Street			
Mailing Address			
City Waterloo	Ontario State	ZIP N2L 3W8	Country Canada

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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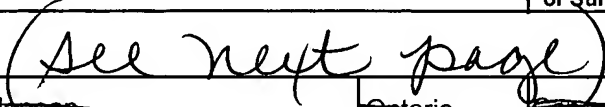
DECLARATION**ADDITIONAL INVENTOR(S)
Supplemental Sheet**Page 2 of 4

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name M. Khaledul		Family Name or Surname Islam	
Inventor's Signature <i>(See previous page)</i>		Date	
Residence: City Nepean	Ontario State	Canada Country	Canadian Citizenship
295 Phillip Street			
Mailing Address			
Mailing Address			
City Waterloo	Ontario State	ZIP N2L 3W8	Country CANADA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Samir R.		Family Name or Surname Shah	
Inventor's Signature <i>(Signature)</i>		Date Feb 10, 2004	
Residence: City Burnaby	British Col State	Canada Country	Canadian Citizenship
295 Phillip Street			
Mailing Address			
Mailing Address			
City Waterloo	Ontario State	ZIP N2L 3W8	Country Canada
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Stephen L.		Family Name or Surname Pomeroy	
Inventor's Signature <i>(See previous page)</i>		Date	
Residence: City Nepean	Ontario State	Canada Country	Canadian Citizenship
295 Phillip Street			
Mailing Address			
Mailing Address			
City Waterloo	Ontario State	ZIP N2L 3W8	Country Canada

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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DECLARATION**ADDITIONAL INVENTOR(S)**
Supplemental Sheet
Page 3 of 4

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Reguina		Family Name or Surname Bouianovskaia	
Inventor's Signature 		Date December 09, 2003	
Residence: City Nepean	State Ontario	Country Canada	Canadian Citizenship
Mailing Address 295 Phillip Street			
Mailing Address			
City Waterloo	State Ontario	ZIP N2L 3W8	Country CANADA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Junhong		Family Name or Surname Nie	
Inventor's Signature 		Date	
Residence: City Nepean	State Ontario	Country Canada	Canadian Citizenship
Mailing Address 295 Phillip Street			
Mailing Address			
City Waterloo	State Ontario	ZIP N2L 3W8	Country Canada
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	ZIP	Country

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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DECLARATION**ADDITIONAL INVENTOR(S)**
Supplemental Sheet
Page 4 of 4**Name of Additional Joint Inventor, if any:**☐ A petition has been filed for this unsigned inventor**Given Name**
Reguina**Family Name or Surname**
Bouianovskaia**Inventor's Signature***(see previous page)***Date****Residence: City**
Nepean**State**
Ontario**Country**
Canada**Citizenship**
Canadian**Mailing Address**
295 Phillip Street**Mailing Address****City**
Waterloo**State**
Ontario**ZIP**
N2L 3W8**Country**
CANADA**Name of Additional Joint Inventor, if any:**☐ A petition has been filed for this unsigned inventor**Given Name**
Junhong**Family Name or Surname**
Nie**Inventor's Signature***[Signature]***Date****Feb 05, 2004****Residence: City**
San Diego**State**
CA**Country**
US**Citizenship**
Canadian**Mailing Address**
295 Phillip Street**Mailing Address****City**
Waterloo**State**
Ontario**ZIP**
N2L 3W8**Country**
Canada**Name of Additional Joint Inventor, if any:**☐ A petition has been filed for this unsigned inventor**Given Name****Family Name or Surname****Inventor's Signature****Date****Residence: City****State****Country****Citizenship****Mailing Address****Mailing Address****City****State****ZIP****Country**



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PTO/SB/80 (12-03)
Approved for use through 11/30/2005. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby appoint:

☒ Practitioners associated with the Customer Number:

24325

OR

☐ Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Assignee Name and Address:

Research In Motion Limited
295 Phillip Street
Waterloo, Ontario, Canada N2L 3W8

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

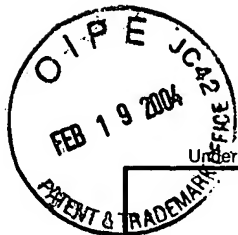
SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Name	Mihai Lazaridis	Date	JAN 16, 2004
Signature		Telephone	519-888-7465
Title	President & Co-CEO		

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Xin Jin; Calin N. Bugnariu; M. Khaledul Islam; Samir R. Shah; Stephen L. Pomeroy; Reguina Bouianovskaia; Junhong Nie

Application No./Patent No.: 10/668,763 Filed/Issue Date: 09/23/2003

Entitled: SYSTEM AND METHOD OF BATTERY CAPACITY ESTIMATION

Research In Motion Limited, a corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %
in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.
[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

2/16/07
Date

216-586-3939

Telephone number

Joseph M. Sauer

Typed or printed name

Signature

Attorney (Agent) for Assignee

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ASSIGNMENT

WHEREAS, new and useful improvements have been made by the undersigned in

SYSTEM AND METHOD OF BATTERY CAPACITY ESTIMATION


and are the subject of a patent application prepared for filing with the United States Patent and Trademark Office attached hereto, and executed by the undersigned on the dates indicated below in the appropriate spaces to the left of the signatures of the undersigned, which application is further identified as Jones Day Docket No. **555255012578**.

WHEREAS, RESEARCH IN MOTION LIMITED, a corporation organized under the laws of the Province of Ontario, CANADA, having a place of business at 295 Phillip Street, Waterloo, Ontario, CANADA, N2L 3W8, hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

The undersigned hereby grants the firm of JONES DAY the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:



Xin Jin
508-1129 Meadowlands Drive
Nepean, Ontario
K2E 6J6
CANADA

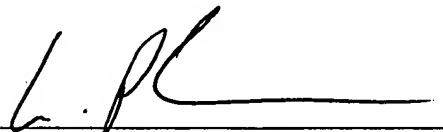
Date: Dec. 9, 03

STATEMENT BY WITNESS

I, Luis Estable, whose full Post Office address is
(Name of Witness)

51 rue de l'Alouette, Hull, Quebec, J9A 3J3 CANADA
(Address of Witness)


hereby declare that I was personally present and did see the above named person, personally known to me to be the person named in the assignment, duly sign and execute the same.



(Signature of Witness)

Date: Dec 9 2003

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:



Calin N. Bugnariu
98 Sai Cr.
Ottawa, Ontario K1G 5N9
CANADA


Date: Dec 18 2003

STATEMENT BY WITNESS

I, Luis Estable, whose full Post Office address is
(Name of Witness)

51 rue de l'Alouette, Hull, Quebec, J9A 3J3 CANADA
(Address of Witness)


hereby declare that I was personally present and did see the above named person, personally known to me to be the person named in the assignment, duly sign and execute the same.



(Signature of Witness)

Date: Dec 18 2003

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:



M. Khaledul Islam
27 Windhurst Dr.
Nepean, Ontario
K2G 6G5
CANADA

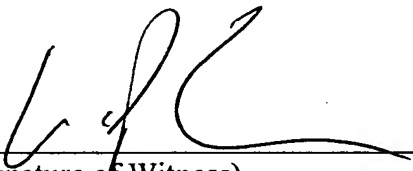
Date: Dec 9, 2003

STATEMENT BY WITNESS

I, Luis Estable, whose full Post Office address is
(Name of Witness)

51 rue de l'Alouette, Hull, Quebec, J9A 3J3 CANADA
(Address of Witness)


hereby declare that I was personally present and did see the above named person, personally known to me to be the person named in the assignment, duly sign and execute the same.



(Signature of Witness)

Date: Dec 9 2003

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:



Samir R. Shah
8220 Forest Grove Drive
Burnaby, BC V5A 4G9
CANADA


Date: Feb 10, 2004

STATEMENT BY WITNESS

I, Shilpa Shah, whose full Post Office address
is
(Name of Witness)

8220 Forest Grove Dr., Burnaby, BC, Canada V5A 4G9
(Address of Witness)


hereby declare that I was personally present and did see the above named person, personally known to me to be the person named in the assignment, duly sign and execute the same.



(Signature of Witness)

Date: Feb 10, 2004

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:


Stephen L. Pomeroy
13 Chatham Gardens
Nepean, Ontario K2J 3L8
CANADA


Date: Dec 9, 2003

STATEMENT BY WITNESS

I, Luis Estable, whose full Post Office address is
(Name of Witness)

51 rue de l'Alouette, Hull, Quebec, J9A 3J3 CANADA
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be the person named in the assignment, duly sign and execute the same.


(Signature of Witness)

Date: Dec 9 2003

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:



Reguina Bouianovskaia
12 Manorgate Pl,
Nepean, Ontario, K2G 6M7
CANADA

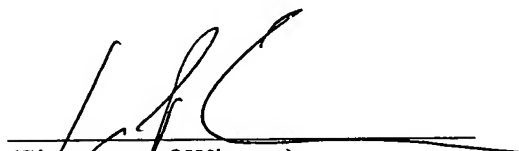
Date: Dec 09, 2003

STATEMENT BY WITNESS

I, Luis Estable, whose full Post Office address is
(Name of Witness)

51 rue de l'Alouette, Hull, Quebec, J9A 3J3 CANADA
(Address of Witness)

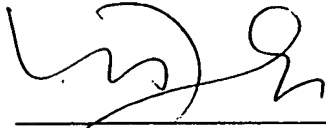
hereby declare that I was personally present and did see the above named person, personally known to me to be the person named in the assignment, duly sign and execute the same.



(Signature of Witness)

Date: Dec 9 2003

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:



Junhong Nie

10912 Caminito Alvarez

San Diego, CA 92126

U.S.A.

Date: Feb 05, 2004

J.H. Feb 05, 2004

STATEMENT BY WITNESS

I, Qizhi Gong, whose full Post Office address is
(Name of Witness)

12635 El Camino Real, Apt 4104, San Diego, CA 92130, U.S.A.
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be the person named in the assignment, duly sign and execute the same.

Qizhi Gong
(Signature of Witness)

Date: Feb 05, 2004